United States Department of Agriculture | Forest Service | Northeastern Area State & Private Forestry | 180 Canfield Street Morgantown, WV 26505

NPS IN, OH DATA

Reply To: 3460

Date: December 22, 1992

Mr. Steve Cinnamon
Integrated Pest Management Coordinator
USDI National Park Service
Midwest Region
1709 Jackson Street
Omaha, NB 68102-2571

Dear Mr. Cinnamon:

A summary of the 1983-1992 gypsy moth trapping program conducted at four National Park Service sites within the Midwest Region is enclosed for your information (Table 1). The purpose of the program is to monitor low level gypsy moth populations and to help us determine when more quantifiable survey methods should be employed.

We are pleased to inform you that no male gypsy moths were captured at either Lincoln Boyhood National Memorial or Hopewell Culture National Historical Site. Out of 25 traps deployed, an average of one moth per trap was caught at Indiana Dunes National Lakeshore (range = 0-8 moths). This is an increase from the 1991 trapping results of 3 moths caught in 25 traps.

Gypsy moth catches at Cuyahoga Valley National Recreaction Area have continued to increase over the last few years. Moth catches averaged 14 moths/trap (range = 0-148) in 1991 and averaged 32 moths/trap (range = 0-218) in 1992. At 10 trap sites, trap catches exceeded 100 moths per trap.

The trapping results at all four parks indicate that the gypsy moth does not pose an immediate threat to the forest resources. The appropriate state pest management officials have been notified of these results.

We would like to see the trapping program continued at the same intensity at all four parks in 1993. In addition to the trapping at Cuyahoga NRA, burlap banding and egg mass searches are recommended at the trap sites where more than 100 moths per trap were caught. These additional survey methods will help determine whether the captured male moths were of local origin. Our office will be happy to assist the park and I will contact Garree Williamson to discuss the details of this effort in the near future.

Thank you for your continued cooperation and if you have any questions regarding these results, please call me at (304) 285-1556.

Sincerely,

Karen D. Felton

KAREN D. FELTON
Biological Technician
Forest Health Protection

Enclosures

cc: AO
Garree Williamson, Cuyahoga Valley NRA
Phil Marshall, INDNR
Randy Knutson, Indiana Dunes NL
Don Adams, Lincoln Boyhood NM
William Gibson, Hopewell Culture NHS
Allen Baumgard, OHDA

KDF/mae

Table 1.--Summary of the 1983-1992 gypsy moth trapping program at four USDI National Park Service sites, Midwest Region.

Cuyahoga Valley National Recreation Area (Cuyahoga and Summit Counties, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	20	4	6,11,15,19
1984	20	0	--
1985	20	1	5
1986	20	30	1-3,5-10,12,14,16,29
1987	235	100	25%
1988	247	127	25%
1989	135	897	50%
1990	194	834	50%
1991	205	2886	>75%
1992	226*	6054	All except 1,55,166,210

Hopewell Culture National Historical Site (Rose County, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	5	0	--
1984	5	0	--
1985	5	1	5
1986	5	0	--
1987	5	0	--
1988	6	0	--
1989	6	0	--
1990	6	0	--
1991	6	0	--
1992	10	0	--

Indiana Dunes National Lakeshore (Porter County, IN)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	15	0	--
1984	15	0	--
1985	15	0	--
1986	15	0	--
1987	15	0	--
1988	15	6	5,6,9,11
1989	44	0	--
1990	25	9	?
1991	25	3	?
1992	25	25	1,3,4,8,11,14,15,17-19,23,25

Table 1. (continued)

Lincoln Boyhood National Memorial (Spenser County, IN)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	5	0	
1984	5	0	--
1985	5	0	--
1986			No data
1987	6	0	--
1988	7	0	--
1989	6	0	--
1990	6	0	--
1991	6	0	--
1992	9	0	--

In 1992,

*39 traps lost or damaged, leaving 187 traps with viable data.

In 1993, 67 traps lost, damaged or not deployed, leaving 159 traps with viable dat